

REMARKS

Claim 1-28 are pending in this application. This Amendment amends original claims 12 and 15 and adds new claims 20-28. Claims 1-11, 13, 14, and 16-19 are the original claims. Applicants appreciate Examiner's indication that claims 1-10 are allowed. In view of the above amendments and following remarks, Applicants respectfully request reconsideration of this application and allowance of all pending claims.

The Office Action rejects claim 15 under 35 U.S.C. §112, second paragraph, as being indefinite. Applicants have amended claim 15 and submit that amended claim 15 is now definite. Accordingly Applicants respectfully request reconsideration and withdrawal of this rejection.

The Office Action rejects claims 11-14 and 16-19 under 35 U.S.C. §102(b) as being anticipated by U.S. Pat. No. 4,549,184, to Boles et al. (hereinafter "Boles"). The Office Action contends that claims 11-14 and 16-19 are anticipated by Boles because Boles "discloses a system for measuring the radial velocity of a target using interferometric principles using at least two antennas."

Applicants traverse the rejection of claims 11-14 and 16-19 over Boles and respectfully submit that Boles fails to disclose a radar system comprising a module provided to measure the tangential velocity component of a moving target, as specifically recited in original claims 11-14 and 16-19, and now recited in currently amended claim 15. Boles is directed to determining the radial velocity of target (see, for example, the Abstract) independent of usually large angle errors (see, for example, also the Abstract). In contrast, the claims of the present application specifically recite a radar system measuring the tangential velocity component of a moving target.

Tangential velocities, being velocities normal to the range direction, are not the same as radial velocities. Boles therefore fails to anticipate claim 11. Claims 12-19 depend from

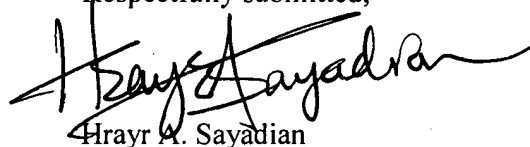
claim 11 and Boles, therefore, fails to anticipate them at least for the reason explained with respect to claim 11. Accordingly, Applicants respectfully request reconsideration and withdrawal of the rejection of claims 11-14 and 16-19 as being anticipated by Boles.

New independent claim 20 specifically recites a radar system comprising a module operatively arranged to measure the tangential velocity component of a moving target and therefore distinguishes over Boles for the reason described with respect to claim 11. Claims 21-28 depend from claim 20 and therefore distinguish over Boles at least for the reason described with respect to claim 20.

In view of the foregoing amendments and remarks, Applicants respectfully submit that this application is in condition for allowance. Favorable reconsideration of claims 11-19 and prompt allowance of claims 11-28 are earnestly solicited.

Should the Examiner believe that anything further is desirable in order to place this application in better condition for allowance, the Examiner is requested to contact Applicants' undersigned representative at the telephone number listed below.

Respectfully submitted,



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